



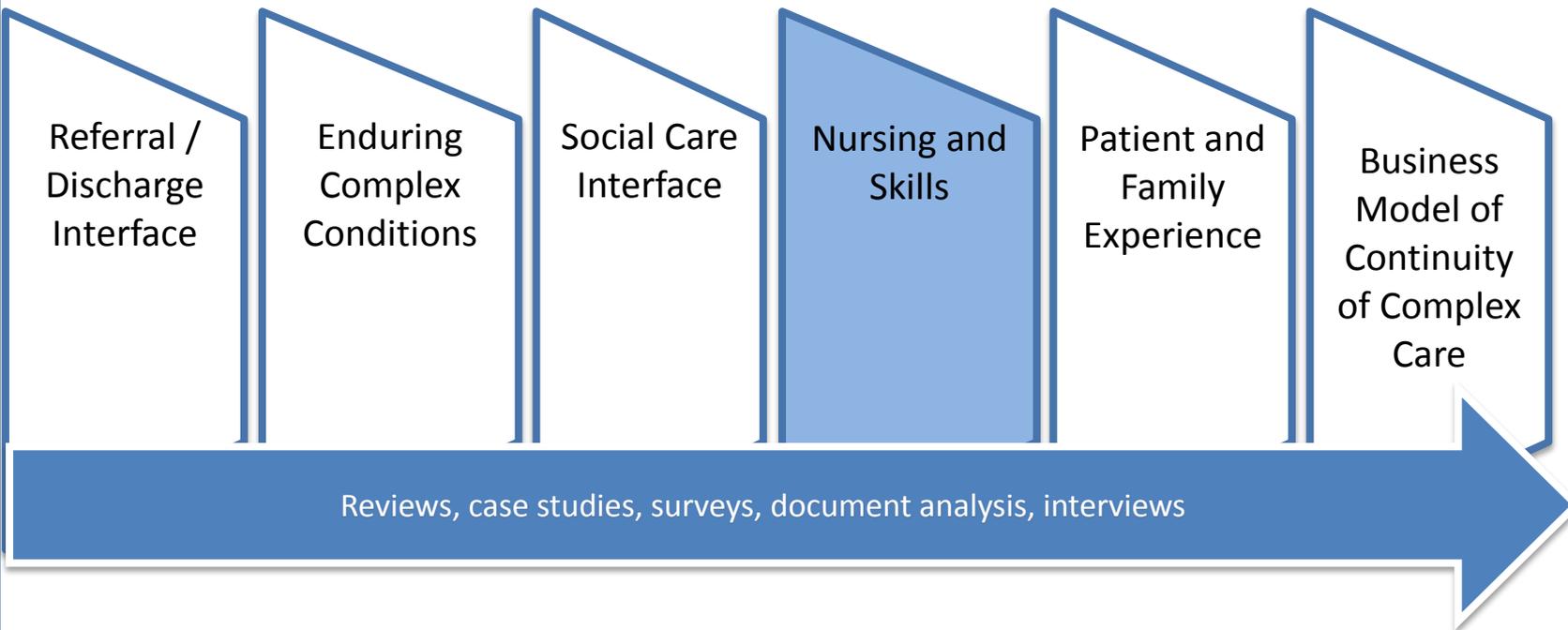
Models of Child Health Appraised

(A Study of Primary Healthcare in 30 European countries)

Models of Child Health Appraised (MOCHA)

- 6.8m Euro project funded by EU Commission Horizon 2020 Programme: June 2015 – December 2018.
- 19 Scientific partners from 11 European countries plus US, Switzerland and Australia encompassing medicine, nursing, economics, informatics, sociology and policy management.
- 30 Countries involved via Country Agents to answer questions about a number of work streams.





Nurses' preparedness to deliver care to children with complex health care needs

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Proposal

Analyse nurses' preparedness for the care of children with complex care needs (CCN) and their families in the community in 30 European countries.



Introduction

- The level of education offered for nurses across Europe varies considerably
- It is based on a minimum of 3 years study and *“shall consist of at least 4600 hours of theoretical and clinical training”*.



Background

- To provide optimal nursing care for children, it is vital that nurses receive timely and optimal training
- Training shall include “child care and paediatrics”
- No specifics on content or skills
 - (European Parliament and Council Directive, 2005, 2013)



Background

- Specialist / postgraduate nurse training is not standardised at EU level
- There has not been a focus on the training that nurses receive in general nursing programmes related to children/ children with complex health care needs



Four main aims

1. Map nursing qualifications required in each country to work with children with CCN in the community
2. Identify and analyse nursing curricula documents, for content on child care, paediatrics, and children with CCN.
3. Identify European standards in general nursing programmes for delivering care to children with CCN.
4. Identify and describe possible breaches in optimal nursing education for delivering care to children with CCN in the European context.



Design

- A non-experimental descriptive study design with a qualitative element
- An inductive, summative content analysis



Methodology

- A questionnaire (**2 sections**), was developed in order to explore the qualifications required for nurses caring for children with CCN in the community.



Questionnaire description

- **Section 1**
- Original or English translated versions of general and / or paediatric nursing curricula were requested from Country agents in 30 countries.
- Documents from the university department or nursing school with the largest number of nursing graduates per year were requested.



Questionnaire description

- **Section 2**
- Section 2 sought information on the qualifications required for nurses to deliver care to children with CCN.
- *In your country, can nurses with a general nursing qualification look after children with complex health care needs in the community? A dichotomous answer was requested (Yes / No).*



Data analysis nursing qualifications

- Descriptive statistics were used for analysing the results of the survey on nursing qualifications
- Corrections, comments and specifications in the free text boxes offered supplementary information on paediatric training options available for nurses.



Data analysis of curricula

- The curriculum content from each country was transferred to a Word document (English version)
- Secondly, an overarching analysis was performed get an overview of all modules that focused on child care
- Core modules related to children were identified by examining the titles of all modules
- Other modules were searched for child-related search-terms previously agreed on by the research team



Data analysis cont.

- A summative inductive content analysis of each curriculum was carried out to understand better the written content related to the child.
- The content related to the care of the child formed the units of analysis.



Percentage of child related search terms within the whole curricula by country

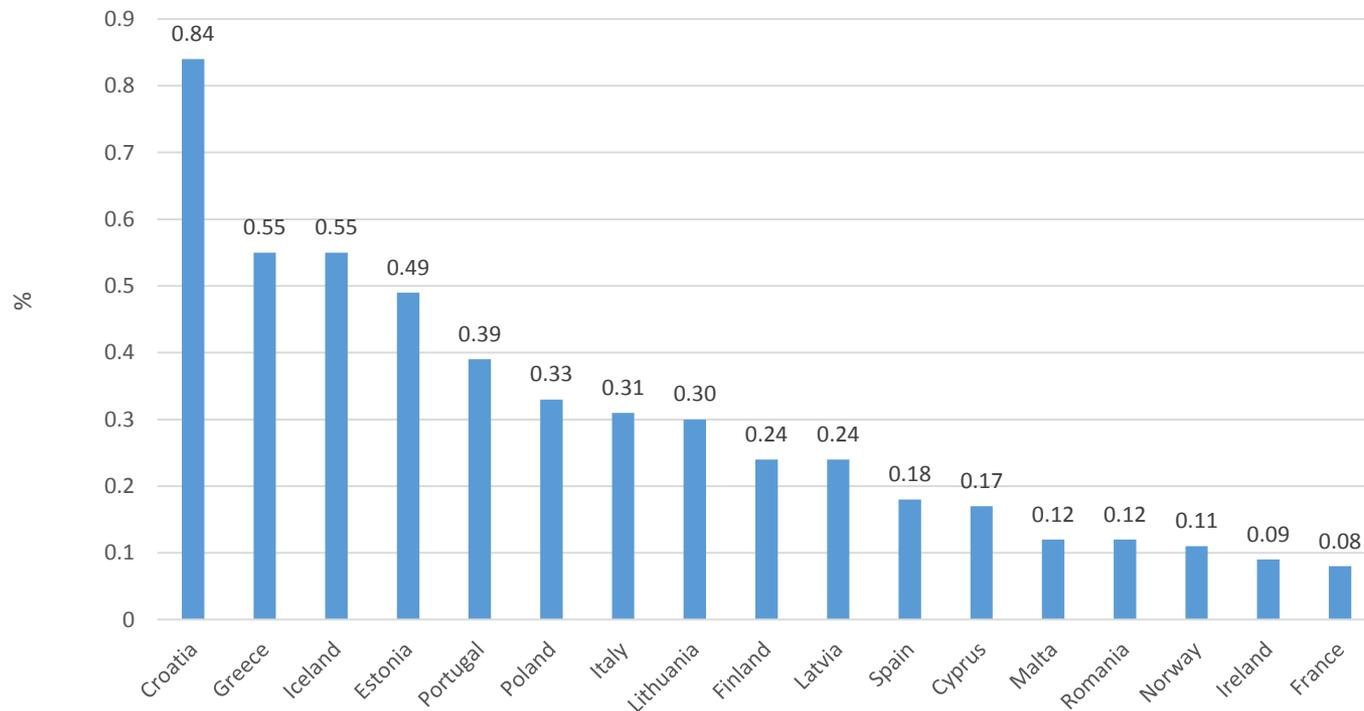


Table 2.1 Example of keywords extracted from the units of analysis

Unit of analysis	Keywords
<p>The <u>nature, diagnosis and treatment of childhood diseases</u>. The main emphasis is on the <u>clinical signs and symptoms</u> and the <u>prevalence of childhood disease</u> in the populations and the <u>most common medical and surgical treatments of these diseases</u>.</p>	<p>Nature of childhood diseases Diagnosis childhood diseases Treatment childhood diseases Clinical signs and symptoms of childhood diseases Prevalence of childhood disease Common medical treatments of childhood diseases Common surgical treatments of childhood diseases</p>



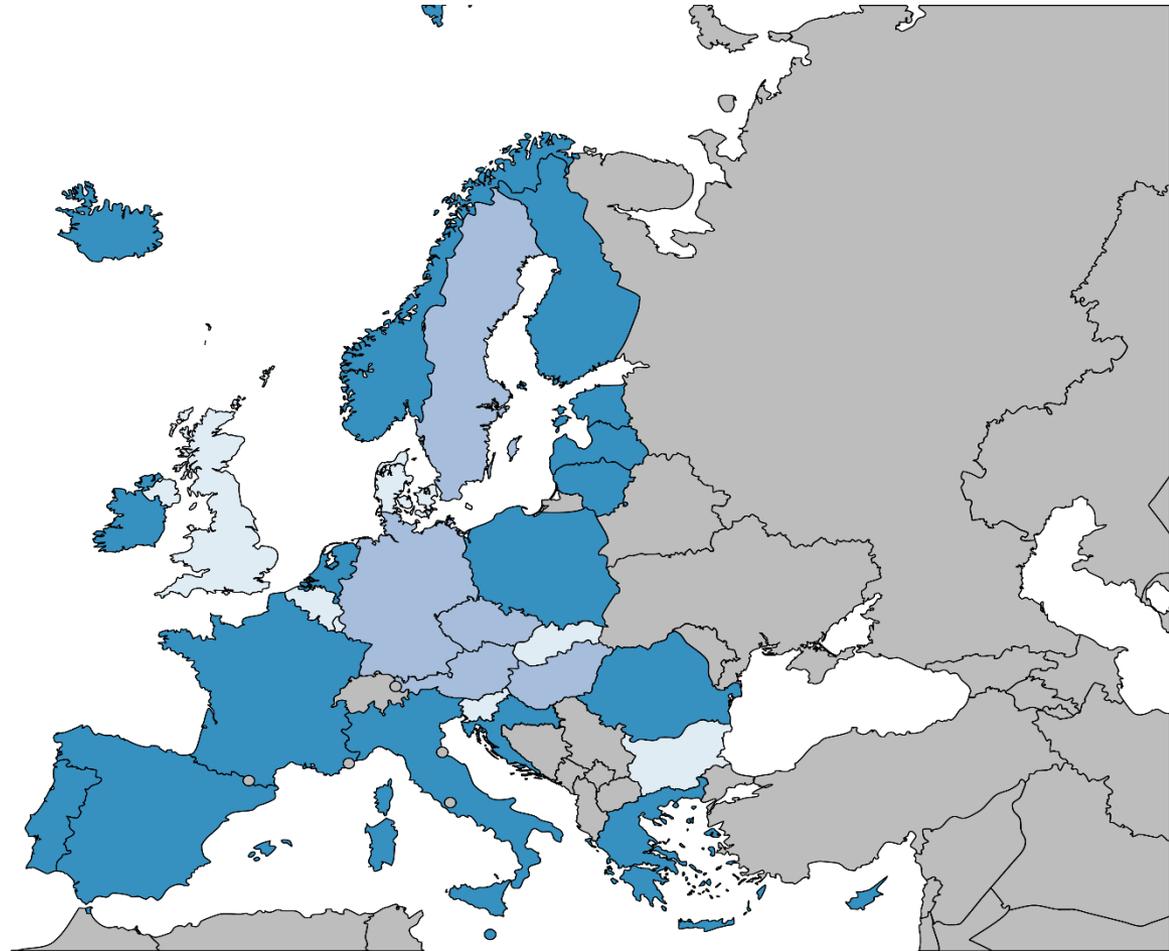
Results: educational requirements

- Responses were received from 23 countries
- No specialised training is required to deliver community nursing care to children with CCN in 73.9% ($n = 17$) of the countries
- Austria, Czech Republic, Germany, Hungary and Sweden (21.7%) stated that a paediatric nursing qualification was required to care for CCHCN in the community.
- 29.4% stated that no paediatric options were available for further paediatric nursing training.



Results qualifications

- General nursing qualification¹
- Paediatric nursing qualification²
- No answer provided³
- Non MOCHA countries



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Results curricula

- Seventeen curricula documents were analysed, almost half (47.1%, $n = 8$) were provided in the English language.
- The main bulk of the child related content was within *other compulsory modules* or other elective modules.
- Only Estonia had the main child related content as a compulsory core module.



Results cont.

- Elective modules that focused on the care of the child were mentioned in four of the curricula (23.5%, $n = 4$)
- *It is interesting to note that countries that reported having child-related elective modules also had compulsory core modules with a focus on children.*



In depth analysis after categorisation

- Three main categories were identified. The main categories that contained most of the keywords were Nursing Care of Children (n = 623) and Paediatrics (n = 440),
- The category that focused on Psychosocial Aspects had the least number of keywords (n = 111)



Conclusions

- Results showed the need to promote specialist
- pediatric training in order to enhance the skills and competence of nurses who deliver care to children living with CCN.
- Creating a European competency framework for regulating the nursing care of children within general nursing programs can be an important step in reaching this goal.



Implications

- The need for specialised knowledge on nursing children
- The need for standardisation
- The importance of focus on psychosocial issues.



Limitations

- For validation purposes two different review procedures were established
- The validity of the responses is dependent on the respondents' interpretation of the questions
- Content analysis reveals the content of the documents. It does not provide information on how the content is interpreted and used in practice



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MOCHA



Planning a healthy future for Europe's population

"Healthy ageing starts here"

The MOCHA project will appraise the differing models of child health that are used across Europe.

Why? Children's health is important for Europe's future. Today's children are citizens, future workers, future parents and future carers. Children depend on good health services. But these are structured differently throughout the European Union, and there is little research into what works best. To help every child benefit from optimum health care, the MOCHA project will perform a systematic, scientific evaluation of the types of health care that exist.

How? The MOCHA scientific team are from 11 European countries, and will be joined by experts from Australia and the United States. We will use expertise from networks in child health, previous children's health projects and knowledge from local agents in different European countries to build a picture of what type of health care for children exists in all 30 EU/EEA countries.

The disciplines encompassed by the project include medicine, nursing, economics, informatics, sociology and policy management. Emphasising prevention and on wellness, we will:

- ✓ Categorise the models, and school health and adolescent services

Latest News

MOCHA invited to important European meeting

On 1st and 2nd October 2015, Dr Maria Brenner will represent MOCHA at the meeting of the coordinating committee of the European Association of Children in Hospital (EACH) in Stockholm, Sweden.

MOCHA first annual meeting

On the 20th and 21st October, the first meeting of all partners in the MOCHA project will take place in London.

New research to investigate models of

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